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MONTANA OIL AND GAS STATISTICAL BULLETIN

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THE OIL AND GAS CONSERVATION COMMISSION

VOL. IV. No. 9 McKEE PRINT. September, 1956

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September, 1956, averaged 57,794 barrels daily, a decrease of 1,076 barrels from the average August production of 58,870.

The ten refineries in the State processed 58,591 barrels of crude oil daily for the month of September, 1956, a decrease of 11,398 barrels daily from the 69,989 barrels processed daily during the month of August.

During August, 54 wells were completed, 27 oil, 0 gas wells and 27 dry holes.

During September, 1956, the Commission issued 48 permits to drill new wells, a decrease of 14 from the 62 permits issued during August.

SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF SEPTEMBER, 1956

IN STORAGE SEPTEMBER 1st	
By Producers	323,360
By Transporters	644,428
By Refiners	661,048
TOTAL STORAGE	1,633,836
Produced in Montana During Month	1,733,819
Imported During Month	1,054,445
TOTALS	4,422,100
DISPOSITION:	
Refined in Montana	1,757,734
Exported	1,039,076
Used for Fuel or Lost	18,930
TOTALS	2,815,740
IN STORAGE SEPTEMBER 30th:	
By Producers	319,641
By Transporters	597,923
By Refiners	688,796
TOTAL STORAGE	1,606,360

NATURAL GAS WITHDRAWALS IN MONTANA

Month of September, 1956

Field	M Cu. Ft.
Bears Den	11,976
Bowdoin	55,393
Bowes	29,950
Box Elder	5,844
Cedar Creek	133,213
Cut Bank (Including Reagan)	792,512
Devon	21,694
Dry Creek	153,172
Elk Basin	28,294
Flat Coulee	25,035
Golden Dome	6,509
Hardin	4,447
Keith Block	3,055
Kevin-Sunburst	61,936
Plevna	30,144
Utopia	18,954
Whitlash	82,307
Miscellaneous	38,916
TOTAL	1,503,351

Total Withdrawals for September, 1955, were 1,567,876 M Cu. Ft.

PRODUCER'S REPORT
MONTH OF SEPTEMBER, 1956

Leases Operated	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped by Pipeline	Oil Shipped by Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	718	3,160	.....	3,598	.....	280
....	Bannatyne	.....	25	.....	.....	.....	.....	25
10	Big Wall	28	7,236	19,213	.....	21,349	.....	5,100
2	Border	4	.....	920	.....	920	.....	.....
10	Bowes	74	5,826	26,238	25,589	.....	.....	6,475
....	Brady-Midway	.....	.....	.....	.....	.....	.....	.....
5	Bredette	5	8,208	14,320	9,014	5,438	36	8,040
2	Brorson	3	2,096	2,738	2,736	.....	.....	2,098
2	Bynum	2	678	295	.....	463	.....	510
1	Cabin Creek	26	3,459	148,320	148,863	.....	1,925	5,991
28	Cat Creek	87	4,348	12,809	10,031	.....	.....	7,126
3	Clark's Fork	3	1,846	14,374	.....	12,948	.....	3,272
2	Cupton	2	1,657	2,031	2,799	.....	16	873
326	Cut Bank	1,100	112,637	216,115	201,124	.....	87	127,541
3	Deer Creek	5	2,301	10,639	10,830	.....	231	1,879
1	Devil's Basin	2	581	264	.....	416	.....	429
6	Dry Creek	6	1,129	10,153	10,175	.....	.....	1,107
20	Elk Basin	60	11,438	134,312	136,797	.....	.....	8,953
3	Fertile Prairie	3	1,724	2,246	.....	2,148	.....	1,822
2	Frannie	2	255	1,020	1,020	.....	.....	255
1	Gage	1	982	74	.....	476	.....	580
2	Gas City	11	2,184	36,568	33 237	.....	190	5,325
6	Glendive	12	6,148	40,849	41,387	.....	.....	5,610
....	Golden Dome	.....	373	.....	.....	.....	.....	378
3	Ivanhoe	9	3,051	40,981	.....	40,808	.....	3,224
208	Kevin-Sunburst	1,411	15,185	80.596	77,957	.....	69	17,755
1	Lake Basin	1	848	293	.....	745	103	293
1	Little Beaver	6	2,166	12,234	11,062	.....	1,255	2,083
2	East Little Beaver	2	674	1,650	1,102	.....	.....	1,222
2	Melstone	4	2,302	5,313	.....	5,498	.....	2,117
3	Mosser	6	183	952	.....	952	.....	183
6	Pennel	13	4,146	38,686	38,403	.....	139	4,290
3	Pine	75	23,411	346,471	341,671	.....	6,630	21,581
71	Pondera	329	7,721	56,373	54,580	.....	.....	9,514
84	East Poplar	89	35,155	210,981	208,531	15,449	189	21,967
4	Northwest Poplar	5	2,112	2,163	.....	2.937	.....	1,338
2	Ragged Point	3	720	2,978	.....	2,850	47	801
1	Rattlesnake Butte	1	118	75	.....	.....	.....	193
3	Reagan	42	2,644	17,274	16.090	.....	.....	3,828
1	Repeat	1	736	4.014	4,499	.....	.....	251
4	Richey	8	4,412	10,316	11,402	.....	.....	3,326
....	Rudyard	.....	35	.....	.....	.....	.....	35
2	Snyder	4	1,755	3,545	.....	3,813	.....	1,487
5	Soap Creek	19	5,647	20,408	.....	21,540	.....	4,515
1	Southwest Richey	3	1,606	5,217	5,245	.....	.....	1,578
18	Sumatra	57	15,807	113,247	112 836	3,119	.....	13,099
4	Sweetgrass Hills	4	743	473	.....	734	.....	482
9	Whitlash	24	5,785	8,936	9,557	1,600	.....	3,564
1	Wibaux	1	754	983	.....	1,199	.....	538
8	Wolf Springs	19	8,953	52,254	19,995	35,118	.....	6,094
1	Woodrow	1	542	289	465	.....	.....	366
1	Yellowstone	1	295	459	.....	506	.....	248
885		3 578	328.360	1,733,819	1,546,997	184,624	10,917	319,641

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1955	15,654,426	42,889	15,526,471	42,538
First Quarter 1956	5,069,931	55,714	5,037,112	55,353
Second Quarter 1956	5,271.571	57,929	5,213,932	57,296
Third Quarter 1956	5,470,682	59,463	5,425,391	58,971

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil in Storage
December 31, 1955	298,039	575,486	575,324	1,448,849
March 31, 1956	289,876	576,594	500,893	1,367,363
June 30, 1956	309,591	595,066	548,755	1,453,412
September 30, 1956	319,641	597,923	688,796	1,606,360

*Includes Wyoming Oil.

TRANSPORTER'S REPORT
MONTH OF SEPTEMBER, 1956

	Storage First of Month	OIL RECEIVED BY			Loss or Gain	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Trucks			3,598				3,598		
BIG WALL—Trucks			21,349			13,605	7,744		
BORDER—Trucks			920			920			
BOWES—									
Trigood Oil Company	7,156	6,411			(131)		7,744		5,954
The Texas Company		19,178			183	18,995			
	7,156	25,589			52	18,995	7,744		5,954
BRORSON—Sun Oil Company		2,736					2,736		
BYNUM—Trucks			463			463			
CABIN CREEK AND OTHERS*—									
Butte Pipe Line Company	291,527	545,290		310,632	35		834,700		312,714
Shell Pipeline Corp.	3,083	53,367			(21)			53,306‡	3,165
	294,610	598,657		310,632	14		834,700	53,306	315,879
CAT CREEK—									
Continental Pipeline Co.	7,111	6,561			(24)	3,075			10,621
Wm. Haullon		3,470				3,470			
	7,111	10,031			(24)	6,545			10,621
CLARK'S FORK—Trucks			12,948			11,911	1,037		
CUT BANK—									
Big West Oil Company		5,918		12,526		18,444			
Darling Gathering System, Inc.	7,370	14,407				18,233			3,544
Phillips Petroleum Company	19,653	38,081			1,244	18,307		21,110	17,073
The Texas Pipeline Company	90,899	50,777		36,172	285	85,562		24,403	67,598
Toronto Pipeline Company	23,166	52,355			407			42,933	37,181
Union Oil Company	50,515	40,254		39,748	497	73,426			56,594
	196,603	201,792		88,446	2,433	213,972		88,446	181,990
DEVIL'S BASIN—Trucks			416			416			
DRY CREEK—Ohio Oil Company	7,775	10,176			(23)	10,984			6,990
ELK BASIN—Ohio Oil Company	60,739	136,797				95,663	101,873		
FERTILE PRAIRIE—Trucks			2,148				2,148		
FRANNIE—Ohio Oil Company		1,020					1,020		
GAGE—Trucks			476			476			
GLENDIVE, DEER CREEK and WOODROW—									
The Texas Pipeline Company	3,249	52,684			(14)			49,476‡	6,471
IVANHOE—Trucks			40,803			22,018	18,790		
KEVIN-SUNBURST									
Big West Oil Company	2,011	34,635				34,591			2,055
Homestake Oil & Gas Company	174	3,621				3,587			208
The Texas Pipeline Company	7,838	37,893		1,794	223	39,455			7,847
Anna Aronow	404	1,582						1,794	192
	10,427	77,731		1,794	223	77,633		1,794	10,302
LAKE BASIN—Trucks			745			745			
MELSTONE—Trucks	3,266		5,498			5,677			3,087
MOSSER—Trucks			952				952		
PONDERA—									
Phillips Petroleum Company	4,105	54,779			224	52,437			6,213
POPLAR and BREDETTE—									
East Poplar Gathering System	23,614	217,545			939		19,238	207,850‡	18,072
Trucks			23,824				23,824		
	23,614	217,545	23,824		939		43,122	207,850	18,072
RAGGED POINT—Trucks	657		2,850			2,889			618
REAGAN—Union Oil Company		16,090				16,090			
SNYDER—Trucks			3,813				3,813		
SOAP CREEK—Trucks			21,540			18,453	3,087		
SUMATRA—									
Powder River Pipeline Company	16,049	112,836			564	110,935			17,386
Trucks			3,119				3,119		
	16,049	112,836	3,119		564	110,935	3,119		17,386
SWEETGRASS HILLS—Trucks			734			734			
WHITLASH—									
Homestake Oil & Gas Company	1,253			9,636		8,245			2,644
Western Natural Gas Company	420	9,557						9,636	341
Trucks			1,600			1,600			
	1,673	9,557	1,600	9,636		9,845		9,636	2,985
WIBAUX—Trucks	2,394		1,199				3,593		
WOLF SPRINGS—									
Powder River Pipe Line Co.		19,995			99	10,113			9,783
Trucks			35,118			33,546			1,572
		19,995	35,118		99	43,659			11,355
YELLOWSTONE—Trucks			506			506			
TOTALS	644,428	1,548,015	184,624	410,508	4,497	735,571	1,039,076	410,508	597,923

*Cabin Creek, Cupton, Gas City, Little Beaver, East Little Beaver, Pennel, Pine, Repeat, Richey and Southwest Richey Fields.
‡Transferred to Butte Pipe Line Co.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF SEPTEMBER, 1956

Fields	Big West Oil Co.	Carter Oil Co.	Continental Oil Co.	Diamond Asph. Co.	Farmers Union	Jet Fuel Refinery	Phil. Petr. Co.	The Texas Co.	Texas Calgary Co.	Union Oil Co.	Total by Fields
Big Wall	.....	.....	.....	.....	11,134	.....	.....	.....	.....	.....	11,134
Border	.....	.....	.....	.....	.....	.....	.....	140	.....	.....	140
Bowes	.....	.....	.....	16,249	.....	.....	.....	.....	.....	.....	16,249
Bynum	.....	.....	.....	.....	.....	.....	463	.....	.....	.....	463
Cat Creek	.....	.....	2,889	.....	.....	2,559	.....	.....	.....	.....	5,448
Clark's Fork	.....	.....	.....	.....	10,124	.....	.....	.....	.....	.....	10,124
Cut Bank	18,444	.....	.....	.....	.....	.....	15,547	135,470	.....	69,990	239,451
Devil's Basin	.....	.....	.....	.....	.....	.....	.....	.....	417	.....	417
Dry Creek	.....	.....	.....	.....	12,657	.....	.....	.....	.....	.....	12,657
Elk Basin	.....	65,359	30,304	.....	.....	.....	.....	.....	.....	.....	95,663
Ivanhoe	.....	.....	.....	.....	9,870	.....	.....	.....	.....	10,574	20,444
Kevin-Sunburst	29,108	.....	.....	.....	.....	.....	.....	6,027	.....	.....	35,135
Lake Basin	.....	.....	.....	.....	744	.....	.....	.....	.....	.....	744
Melstone	.....	.....	.....	.....	.....	4,527	.....	.....	.....	.....	4,527
Pondera	.....	.....	.....	.....	.....	.....	56,545	.....	.....	.....	56,545
Ragged Point	.....	.....	.....	.....	3,012	.....	.....	.....	.....	.....	3,012
Reagan	.....	.....	.....	.....	.....	.....	.....	.....	.....	16,091	16,091
Richey	.....	.....	.....	.....	.....	.....	.....	7,600	.....	.....	7,600
Snyder	.....	.....	.....	.....	.....	.....	.....	.....	1,195	.....	1,195
Soap Creek	.....	.....	.....	.....	.....	.....	.....	.....	10,477	.....	10,477
Sumatra	.....	.....	.....	.....	95,953	.....	.....	.....	.....	.....	95,953
Sweetgrass Hills	734	.....	.....	.....	.....	.....	.....	.....	.....	.....	734
Whitlash	.....	.....	.....	.....	.....	.....	.....	10,917	.....	1,600	12,517
Wolf Springs	.....	38,917	.....	.....	.....	.....	.....	.....	.....	.....	38,917
Yellowstone	.....	.....	.....	.....	493	.....	.....	.....	.....	.....	493
Total Montana Oil	48,286	104,276	33,193	16,249	143,987	7,086	72,555	160,154	12,089	98,255	696,130
Canadian Oil Imported	.....	.....	.....	.....	.....	.....	1,193	.....	.....	6,726	7,919
Wyoming Oil Imported	.....	618,259	41,587	.....	392,790	1,049	.....	.....	.....	.....	1,053,685
TOTAL Montana, Canadian and Wyoming Oil	48,286	722,535	74,780	16,249	536,777	8,135	73,748	160,154	12,089	104,981	1,757,734

AVERAGE BARRELS PER DAY

	Montana	Canada	South Dakota	Wyoming	TOTAL
Year, 1955	27,008	....	35	30,714	57,757
September, 1955	27,834	....	25	27,264	55,123
September, 1956	23,204	264	....	35,123	58,591

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	South Dakota	Wyoming
46.76%	.....	.06%	53.18%
50.49%	.....	.05%	49.46%
39.60%	.45%	.....	59.95%